

**FAG****52217**

Axial deep groove ball bearing

Axial deep groove ball bearing 522, double direction, steel sheet metal cage

## Technical information

**Your current product variant**

|                                  |    |   |
|----------------------------------|----|---|
| Cage                             | JP | Steel sheet metal                       |
| Tolerance class                  | PN | Tolerance class PN, acc. to DIN 620     |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |

**Main Dimensions & Performance Data**

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 70 mm       | Inner diameter shaft washer      |
| D               | 125 mm      | Outer diameter housing washer    |
| T <sub>2</sub>  | 55 mm       | Height                           |
| C <sub>a</sub>  | 98.000 N    | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 250.000 N   | Basic static load rating, axial  |
| C <sub>ua</sub> | 11.200 N    | Fatigue load limit, axial        |
| n <sub>G</sub>  | 3.250 1/min | Limiting speed                   |
| n <sub>gr</sub> | 3.950 1/min | Reference speed                  |
| m               | 2,179 kg    | Weight                           |

**Mounting dimensions**

|                     |        |                                      |
|---------------------|--------|--------------------------------------|
| d <sub>a max</sub>  | 85 mm  | Maximum diameter shaft shoulder      |
| D <sub>a max</sub>  | 101 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 1 mm   | Maximum fillet radius                |
| r <sub>a1 max</sub> | 1 mm   | Maximum fillet radius                |



### Dimensions

|                    |       |                               |
|--------------------|-------|-------------------------------|
| D <sub>1</sub>     | 88 mm | Inner diameter housing washer |
| B                  | 12 mm | Height shaft washer           |
| r <sub>min</sub>   | 1 mm  | Minimum chamfer dimension     |
| r <sub>1 min</sub> | 1 mm  | Minimum chamfer dimension     |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

### Calculation factors

|   |      |                     |
|---|------|---------------------|
| A | 0,37 | Minimum load factor |
|---|------|---------------------|

### Characteristics

-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed